

SEQUENCE LISTING

<110> SISODIA, SANGRAM S.
YU, CHUNJIANG

<120> MEMBRANE PREPARATION FROM PICHIA PASTORIS TO ASSAY
γ-SECRETASE ACTIVITY

<130> ARCD:398WO

<140> UNKNOWN

<141> 2004-09-23

<150> 60/505,601

<151> 2003-09-24

<160> 16

<170> PatentIn Ver. 2.1

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<213> Homo sapiens

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Arg Glu Arg Gln Glu His Asn Asp Arg Arg Ser Leu Gly His Pro Glu
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Pro Leu Ser Asn Gly Arg Pro Gln Gly Asn Ser Arg Gln Val Val Glu
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Gln Asp Glu Glu Glu Asp Glu Glu Leu Thr Leu Lys Tyr Gly Ala Lys
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His Val Ile Met Leu Phe Val Pro Val Thr Leu Cys Met Val Val Val
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Val Ala Thr Ile Lys Ser Val Ser Phe Tyr Thr Arg Lys Asp Gly Gln
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Leu Ile Tyr Thr Pro Phe Thr Glu Asp Thr Glu Thr Val Gly Gln Arg
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Phe Ser Phe Ile Tyr Leu Gly Glu Val Phe Lys Thr Tyr Asn Val Ala
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| | | | | 245 | | | | | 250 | | | | | 255 | | |
| Asp | Leu | Val | Ala | Val | Leu | Cys | Pro | Lys | Gly | Pro | Leu | Arg | Met | Leu | Val | |
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| Glu | Thr | Ala | Gln | Glu | Arg | Asn | Glu | Thr | Leu | Phe | Pro | Ala | Leu | Ile | Tyr | |
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| Ser | Ser | Thr | Met | Val | Trp | Leu | Val | Asn | Met | Ala | Glu | Gly | Asp | Pro | Glu | |
| | | | | 290 | | | | | 295 | | | | | 300 | | |
| Ala | Gln | Arg | Arg | Val | Ser | Lys | Asn | Ser | Lys | Tyr | Asn | Ala | Glu | Ser | Thr | |
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| Glu | Arg | Glu | Ser | Gln | Asp | Thr | Val | Ala | Glu | Asn | Asp | Asp | Gly | Gly | Phe | |
| | | | | 325 | | | | | 330 | | | | | 335 | | |
| Ser | Glu | Glu | Trp | Glu | Ala | Gln | Arg | Asp | Ser | His | Leu | Gly | Pro | His | Arg | |
| | | | | 340 | | | | | 345 | | | | | 350 | | |
| Ser | Thr | Pro | Glu | Ser | Arg | Ala | Ala | Val | Gln | Glu | Leu | Ser | Ser | Ser | Ile | |
| | | | | 355 | | | | | 360 | | | | | 365 | | |
| Leu | Ala | Gly | Glu | Asp | Pro | Glu | Glu | Arg | Gly | Val | Lys | Leu | Gly | Leu | Gly | |
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| Asp | Phe | Ile | Phe | Tyr | Ser | Val | Leu | Val | Gly | Lys | Ala | Ser | Ala | Thr | Ala | |
| 385 | | | | | 390 | | | | | 395 | | | | | 400 | |
| Ser | Gly | Asp | Trp | Asn | Thr | Thr | Ile | Ala | Cys | Phe | Val | Ala | Ile | Leu | Ile | |
| | | | | 405 | | | | | 410 | | | | | 415 | | |
| Gly | Leu | Cys | Leu | Thr | Leu | Leu | Leu | Leu | Ala | Ile | Phe | Lys | Lys | Ala | Leu | |
| | | | | 420 | | | | | 425 | | | | | 430 | | |
| Pro | Ala | Leu | Pro | Ile | Ser | Ile | Thr | Phe | Gly | Leu | Val | Phe | Tyr | Phe | Ala | |
| | | | | 435 | | | | | 440 | | | | | 445 | | |
| Thr | Asp | Tyr | Leu | Val | Gln | Pro | Phe | Met | Asp | Gln | Leu | Ala | Phe | His | Gln | |
| | | | | 450 | | | | | 455 | | | | | 460 | | |
| Phe | Tyr | Ile | | | | | | | | | | | | | | |
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 50 55 60
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 Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn
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Val Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln Tyr Thr Ser
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Arg His Leu Ser Lys Met Gln Gln Asn Gly Tyr Glu Asn Pro Thr Tyr
165 170 175

Lys Phe Phe Glu Gln Met Gln Asn Gly Leu Glu Gln Lys Leu Ile Ser
180 185 190

Glu Glu Asp Leu Asn Ser Ala Val Asp His His His His His His
195 200 205